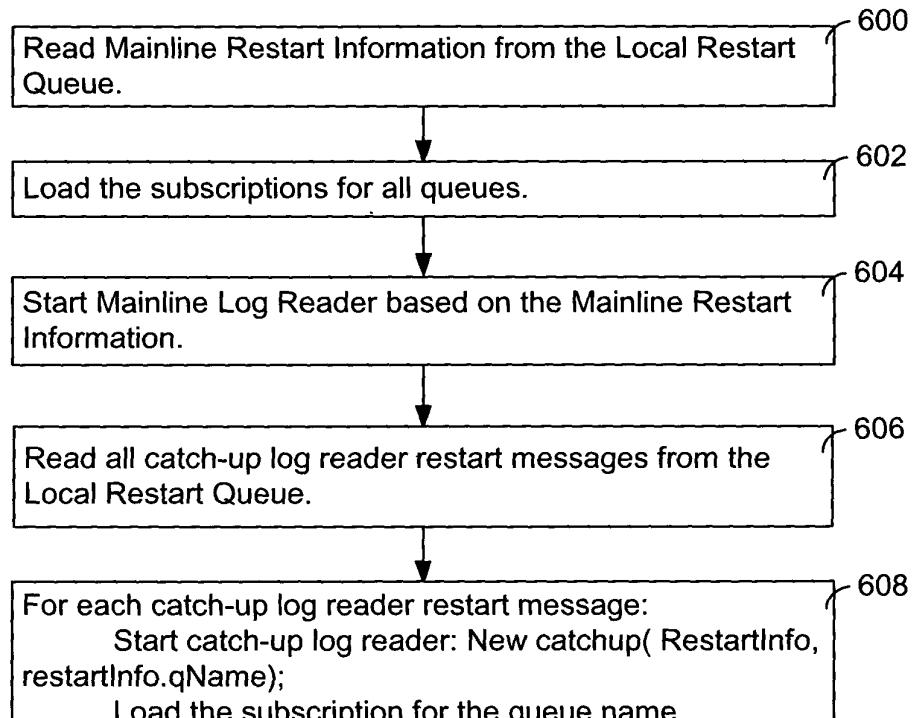


Prior Art
Fig. 1



Startup for a mainline log reader and at least one catch-up log reader

Fig. 13

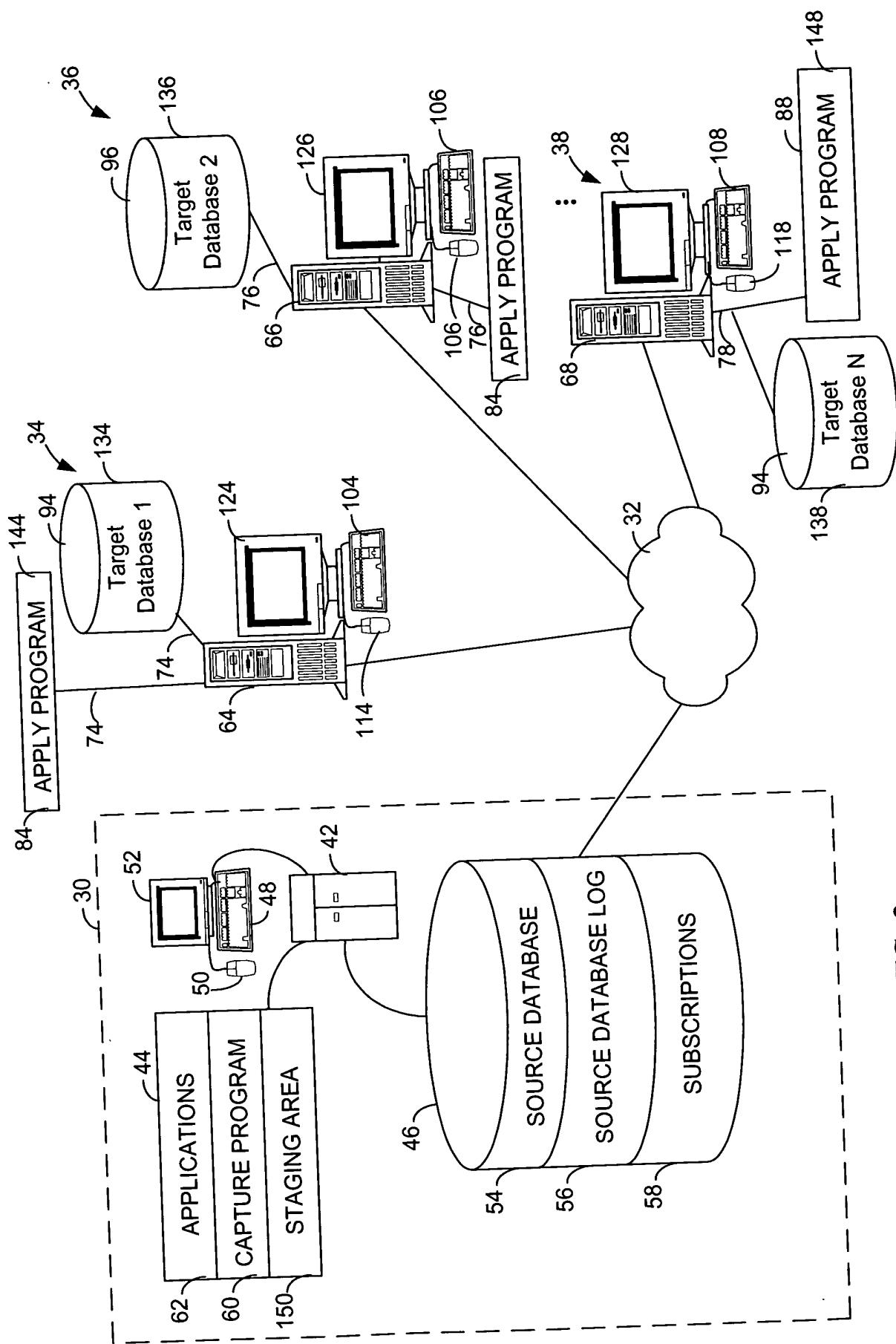


FIG. 2

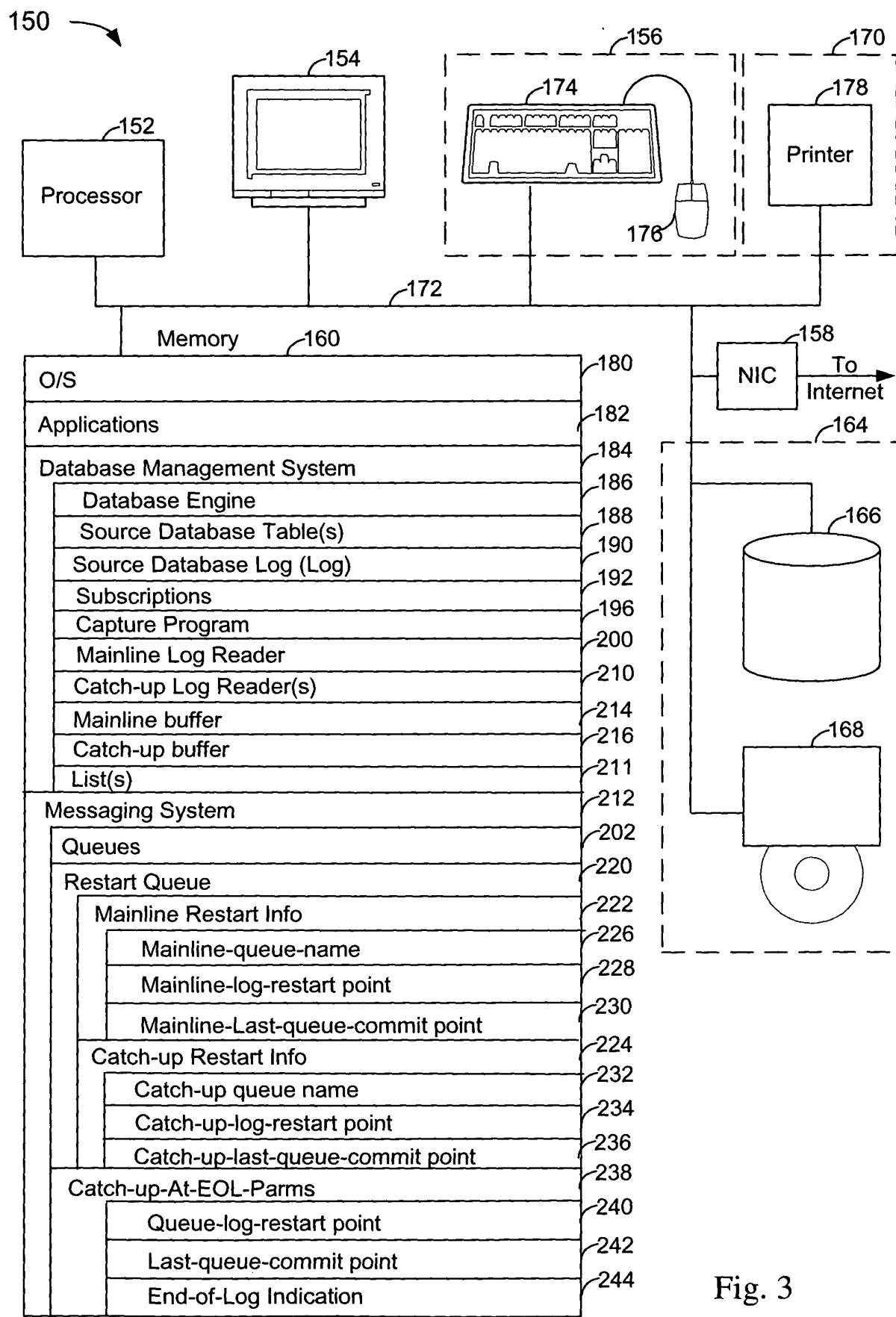


Fig. 3

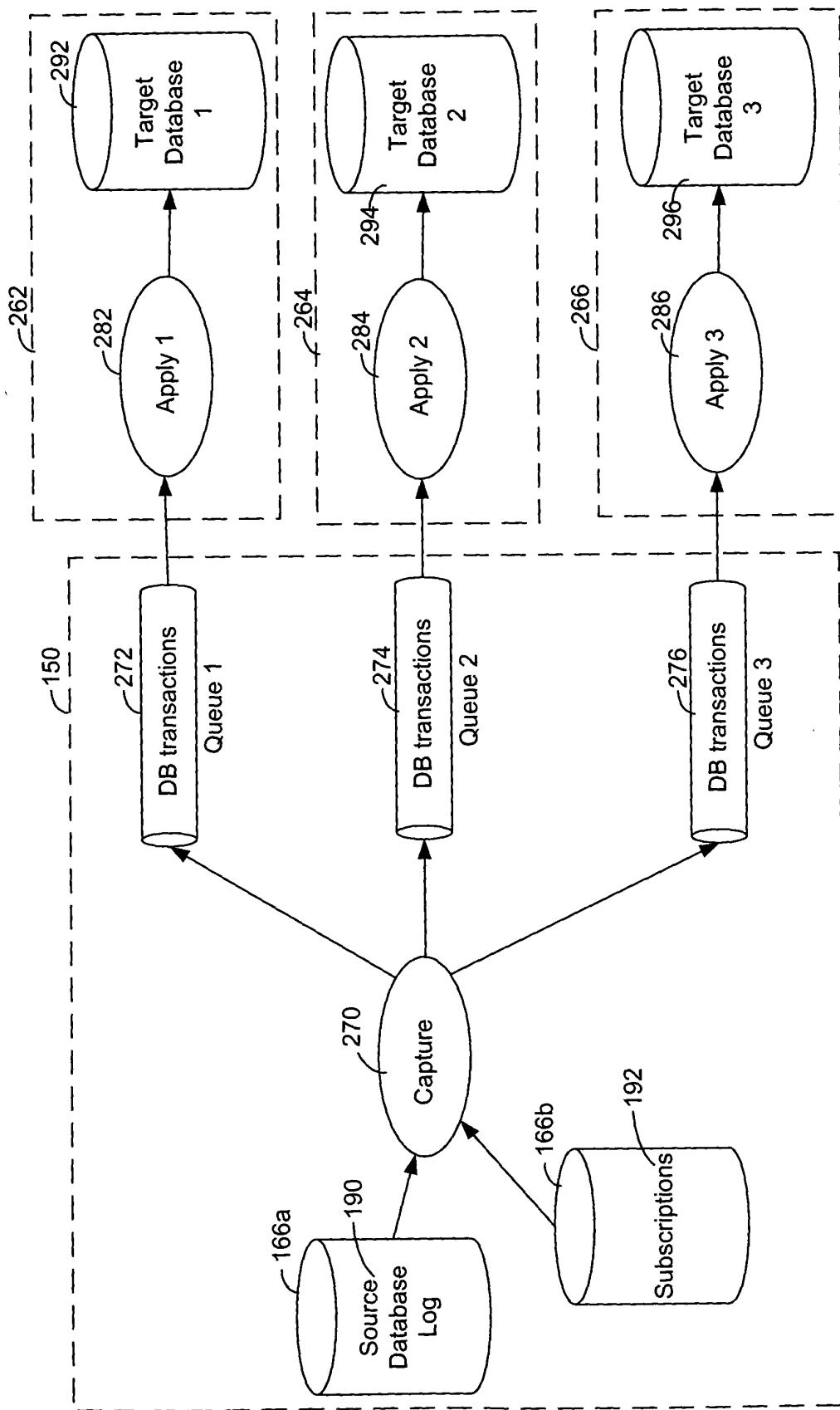


FIG. 4

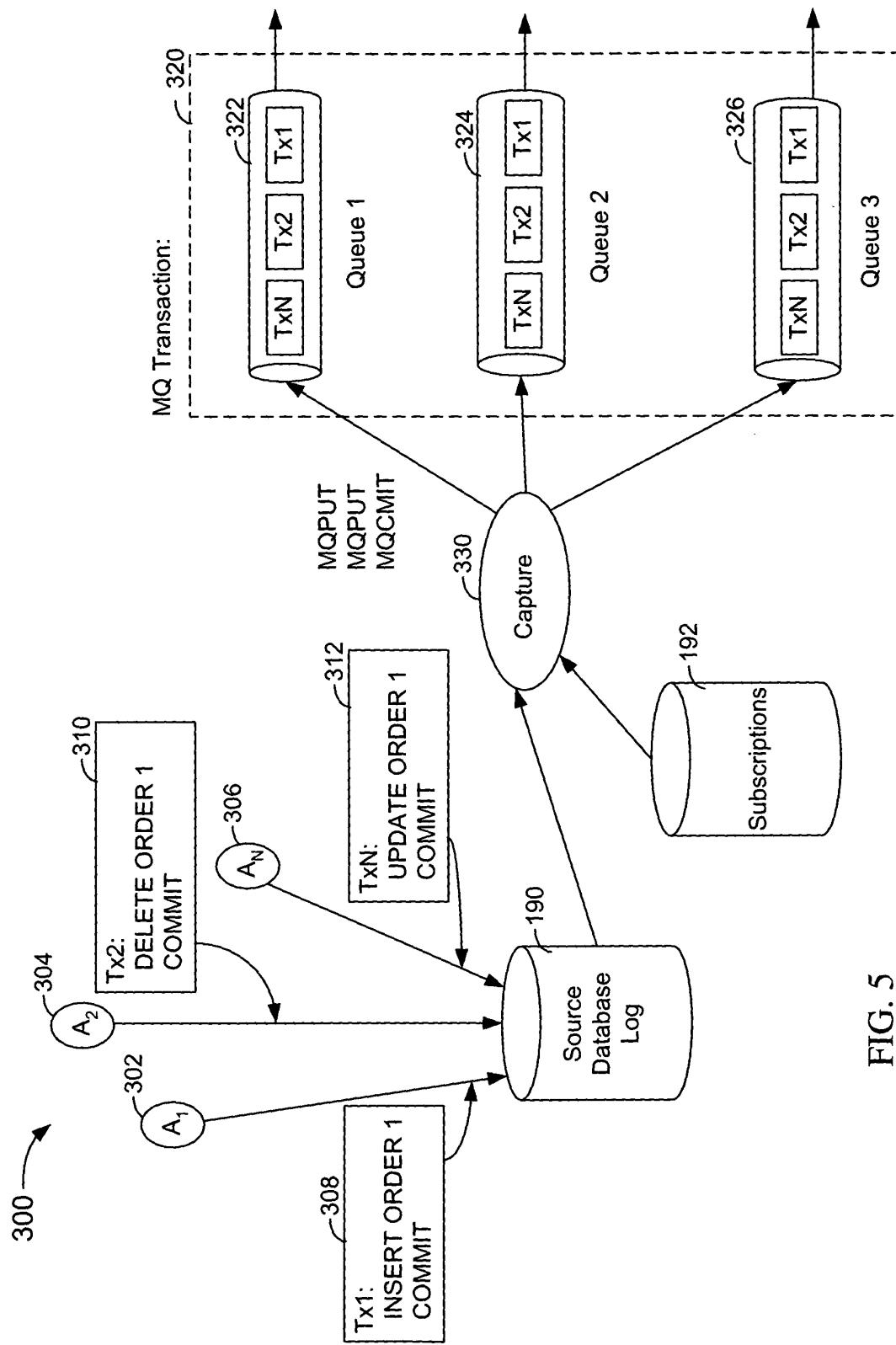


FIG. 5

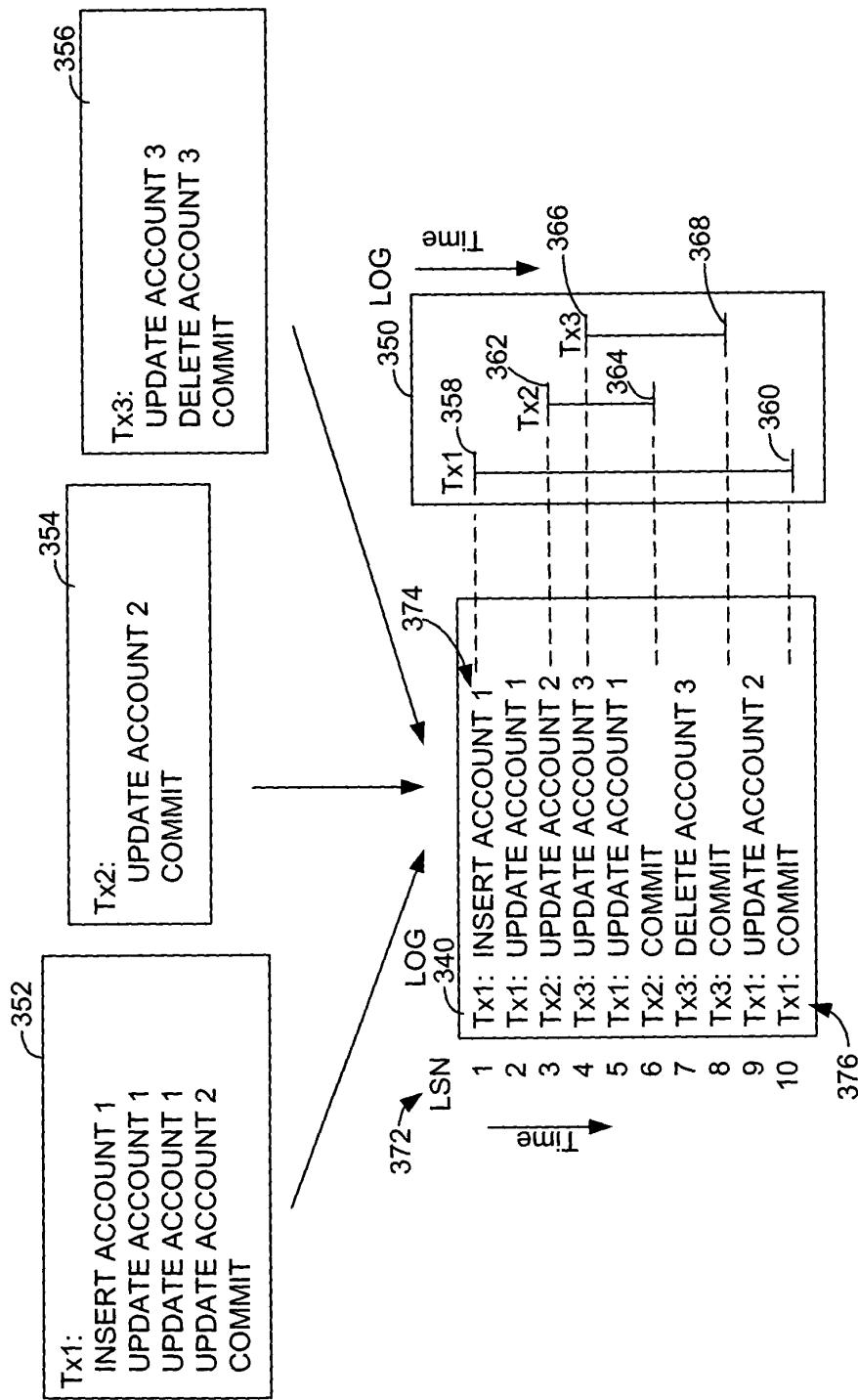


FIG. 6

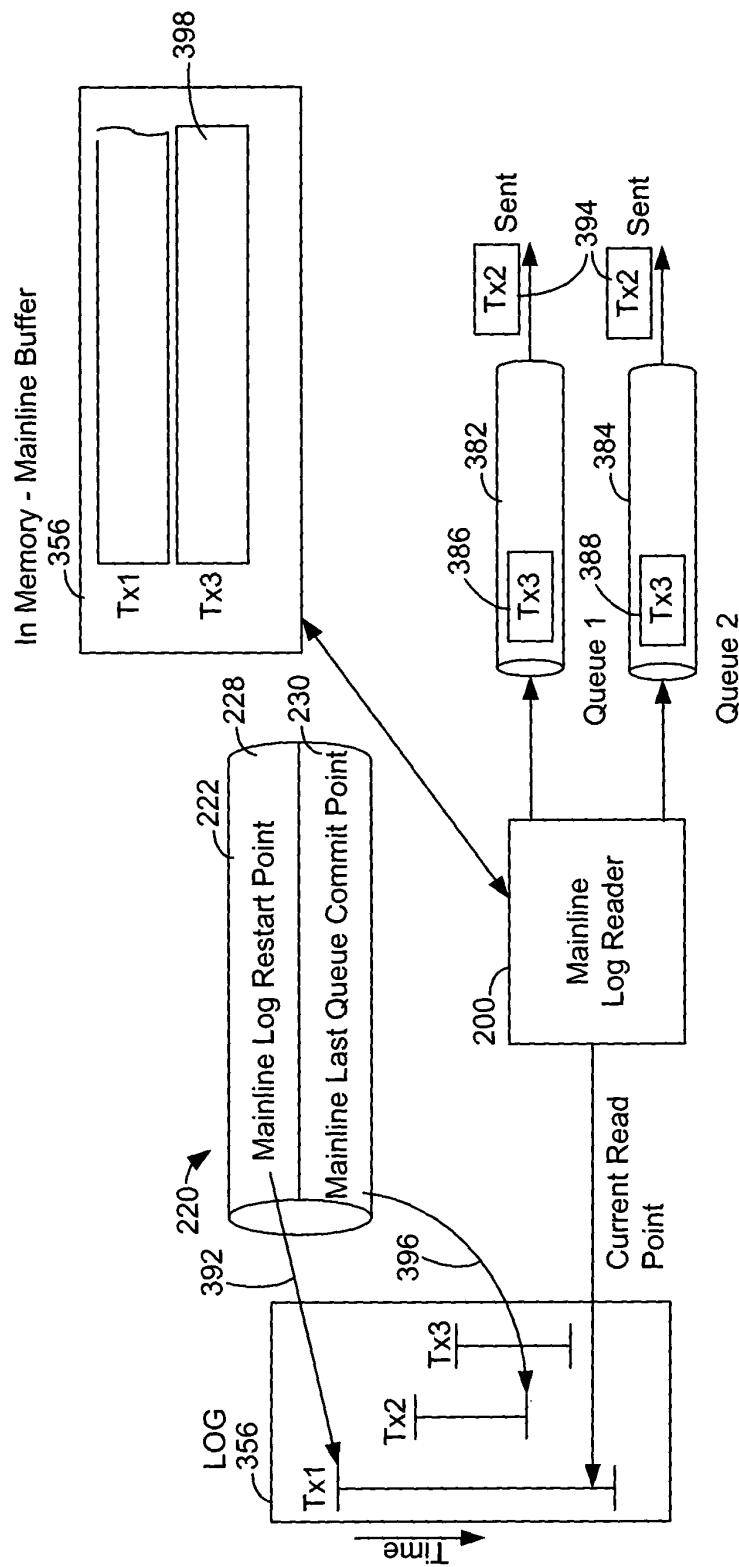


FIG. 7

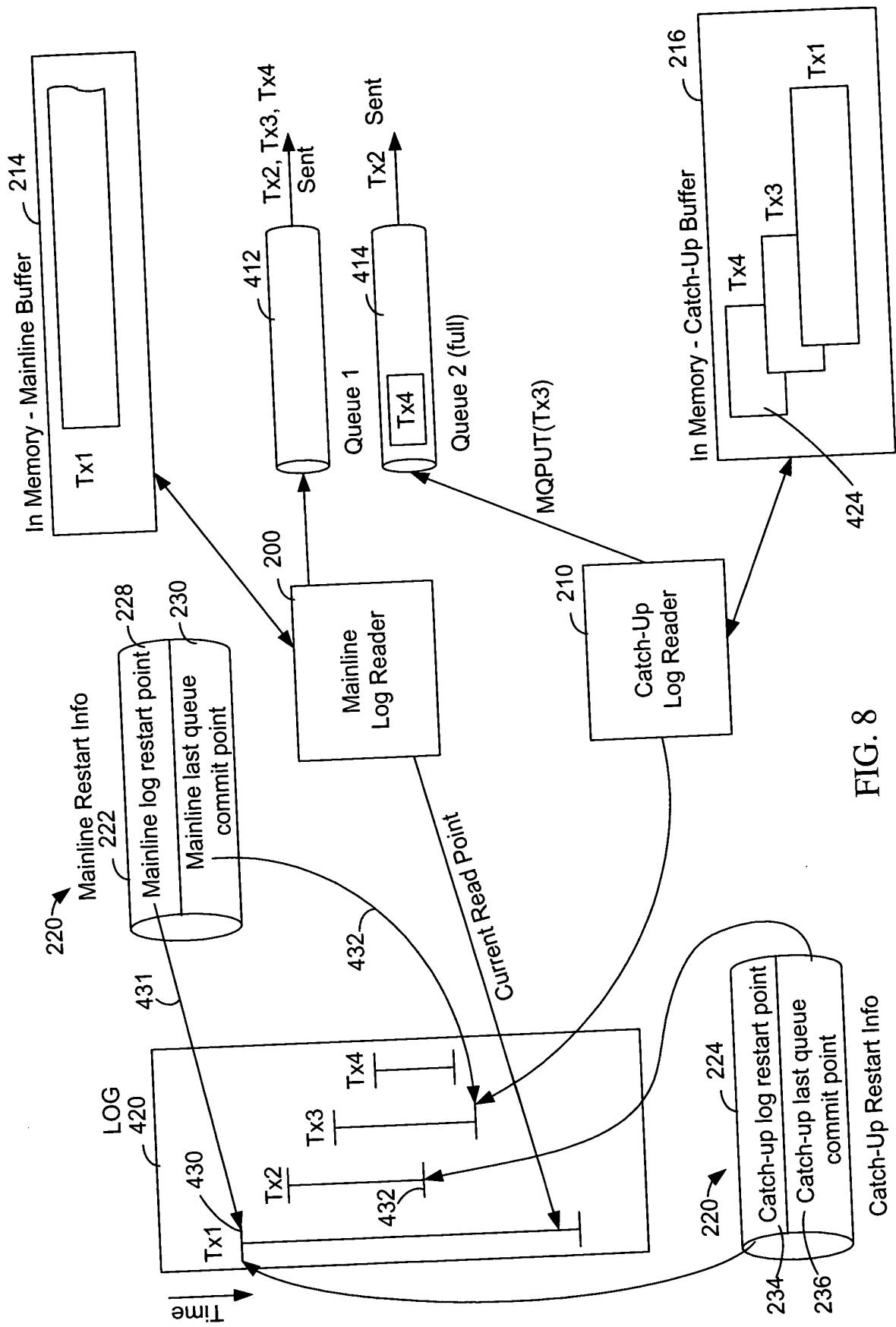


FIG. 8

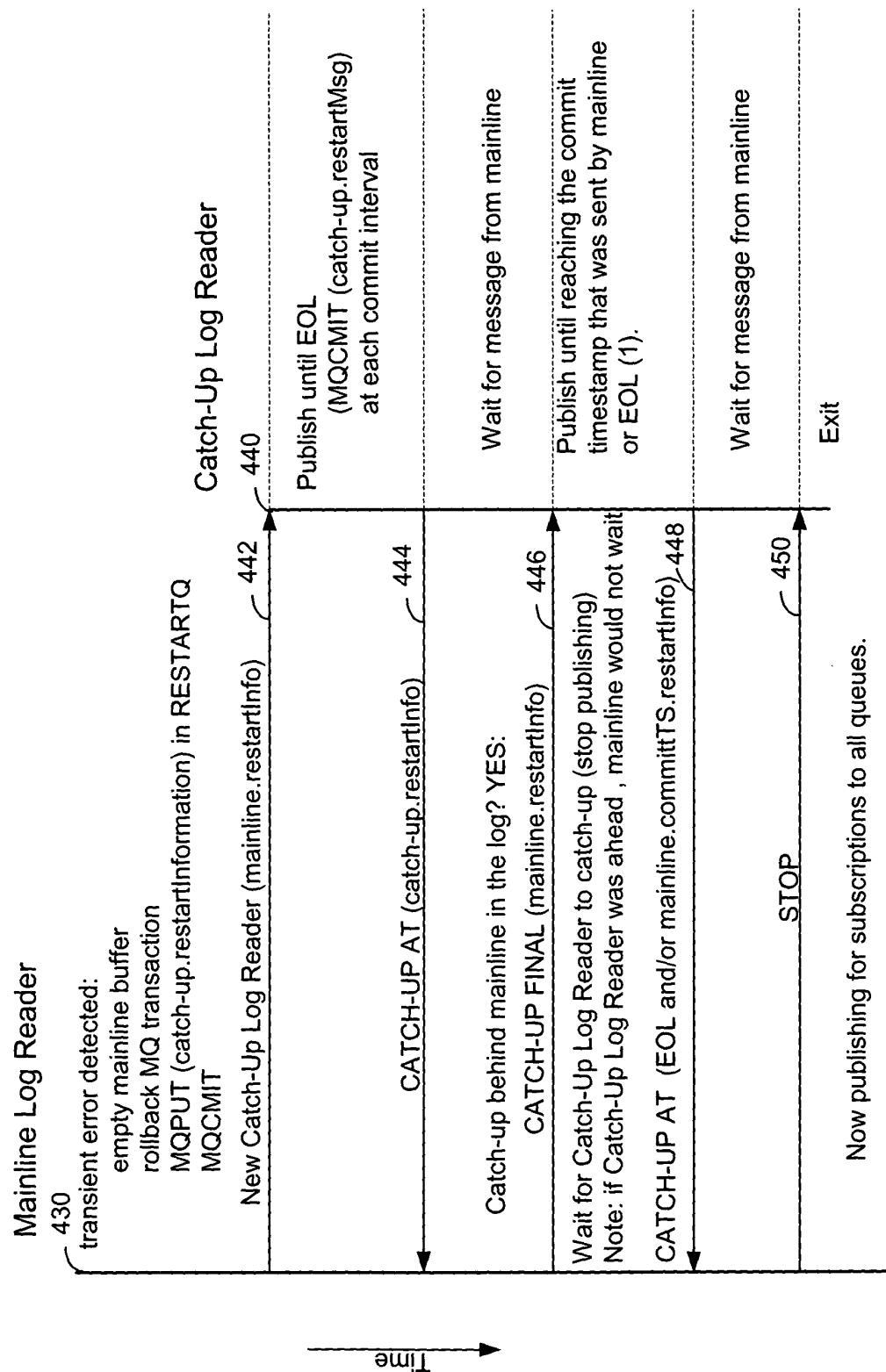


FIG. 9

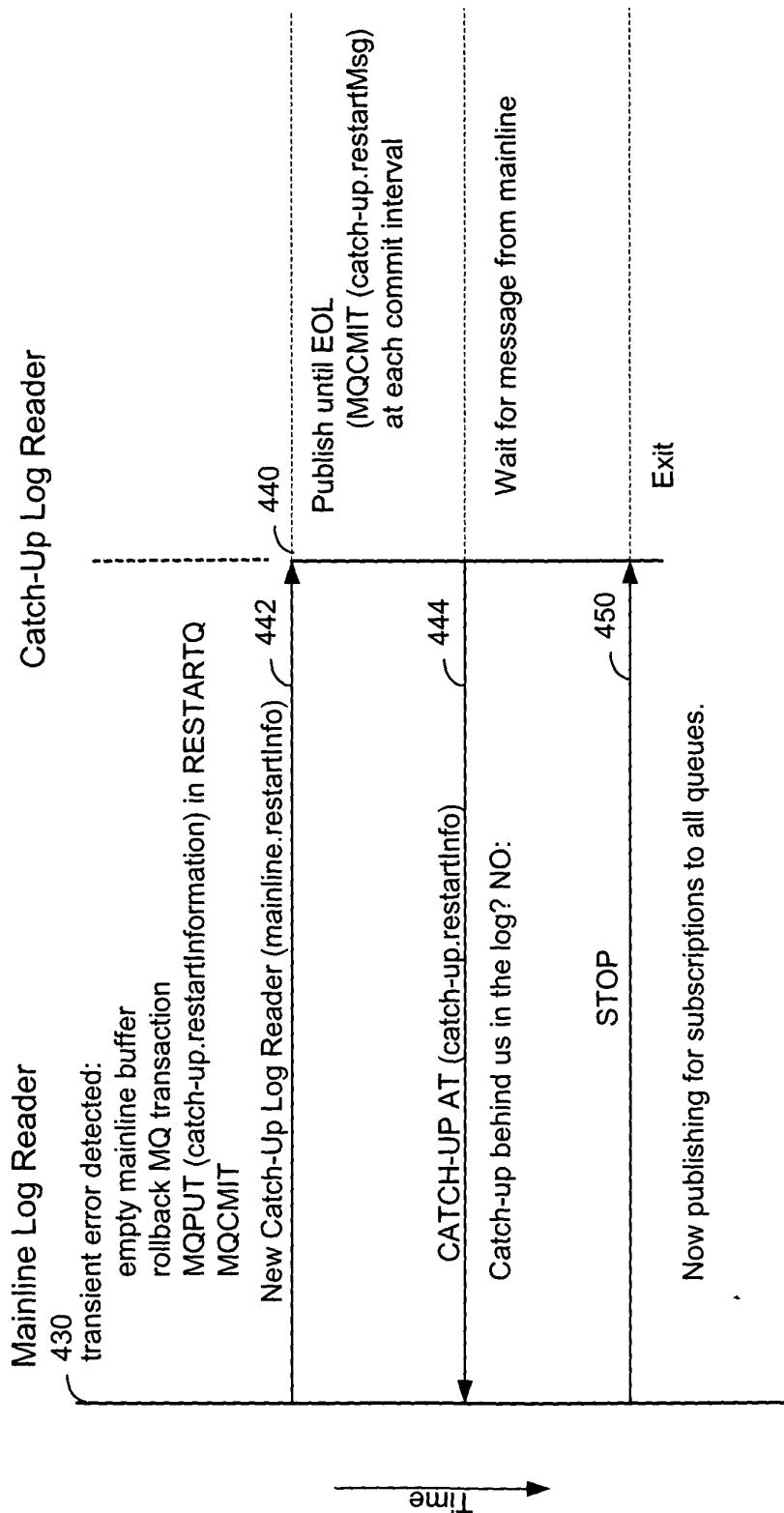
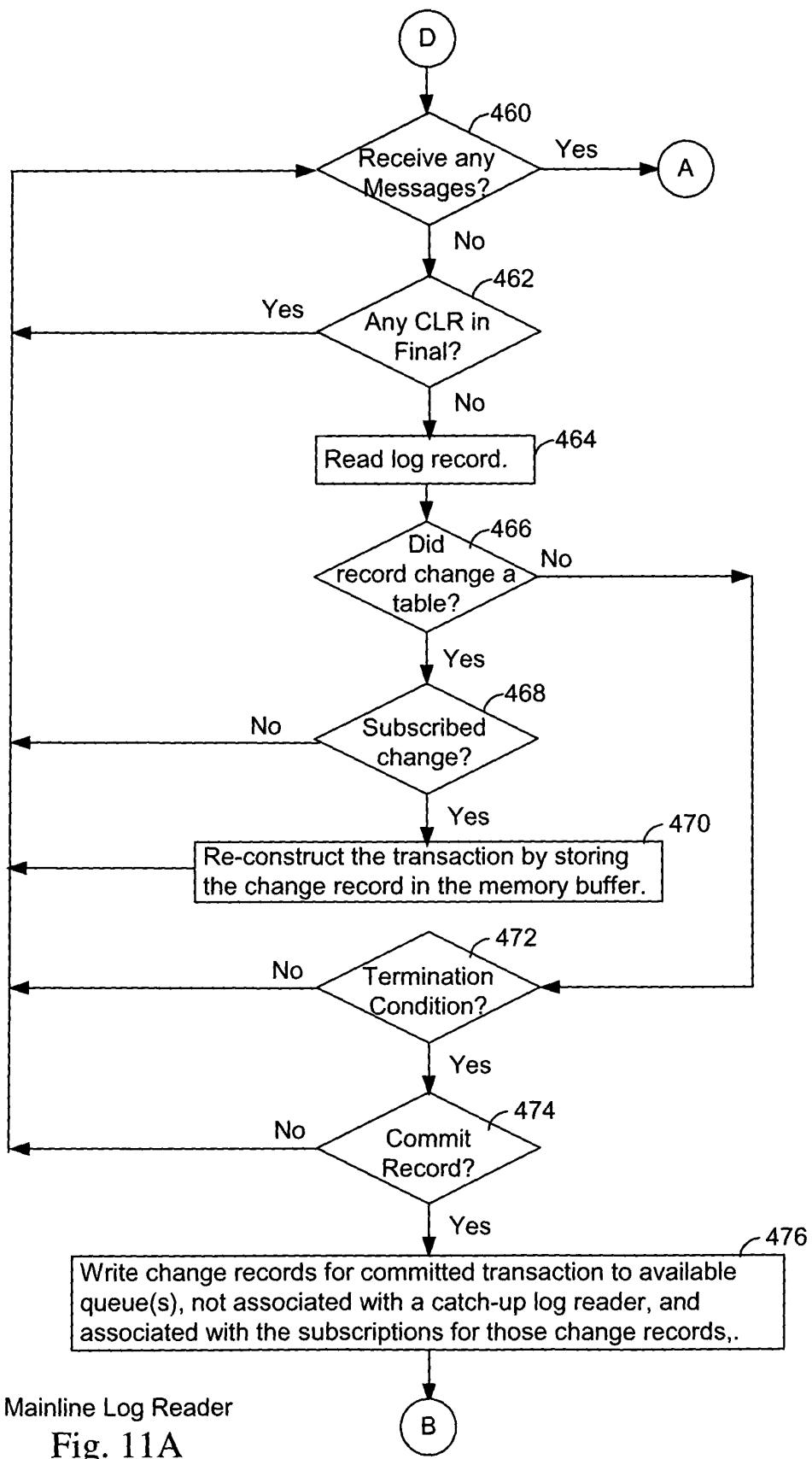
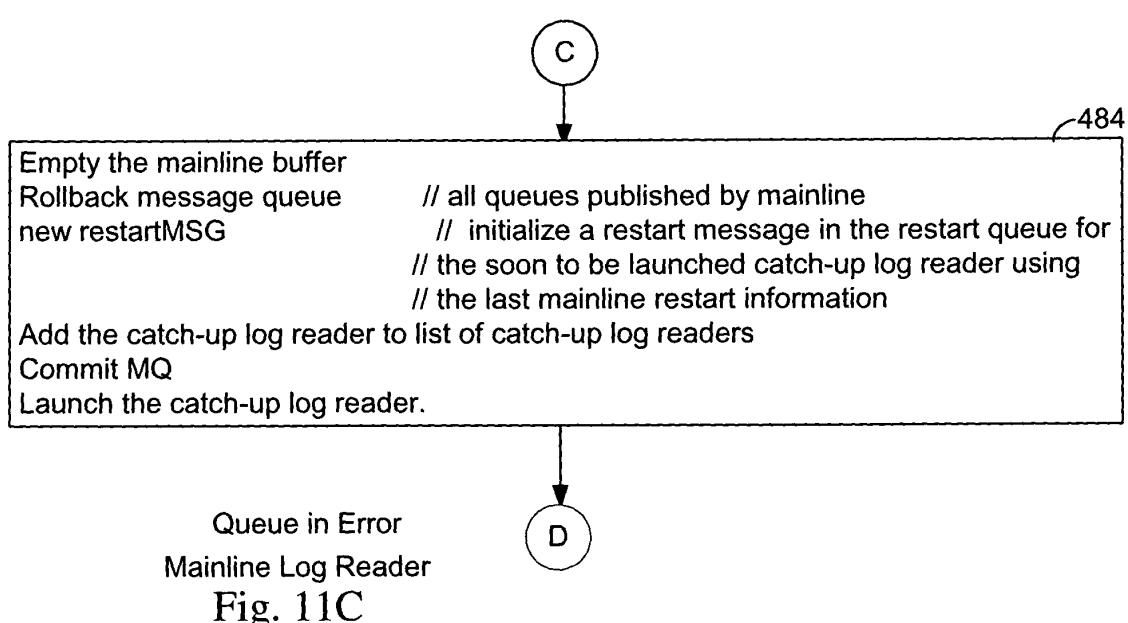
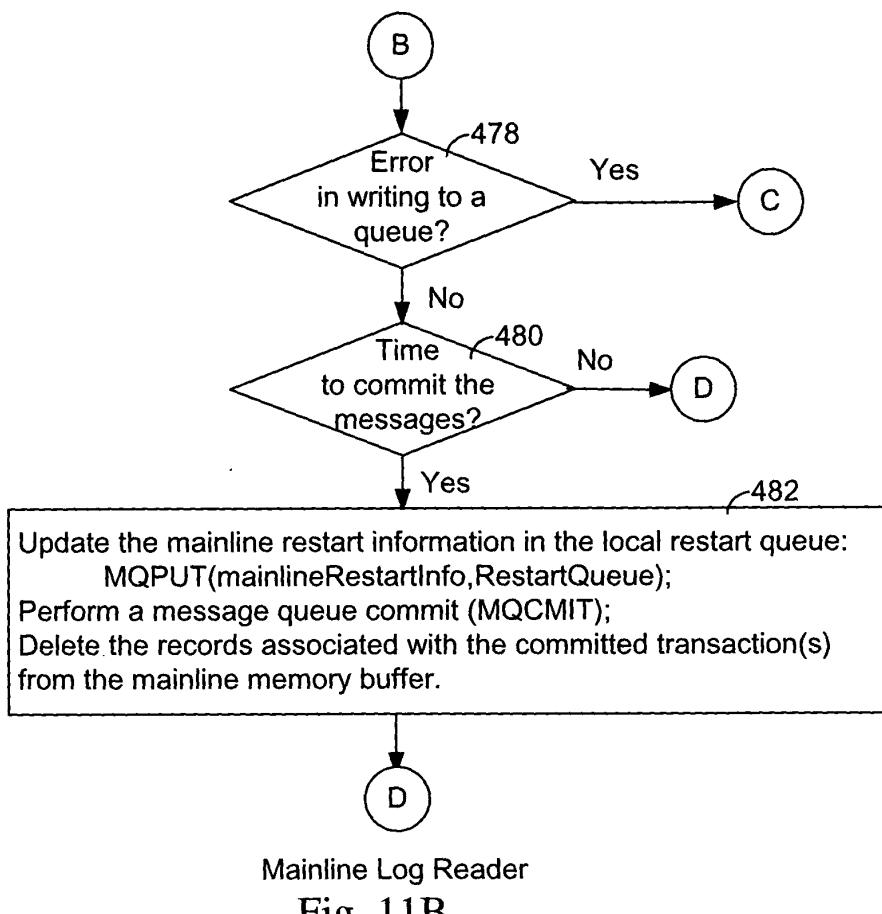


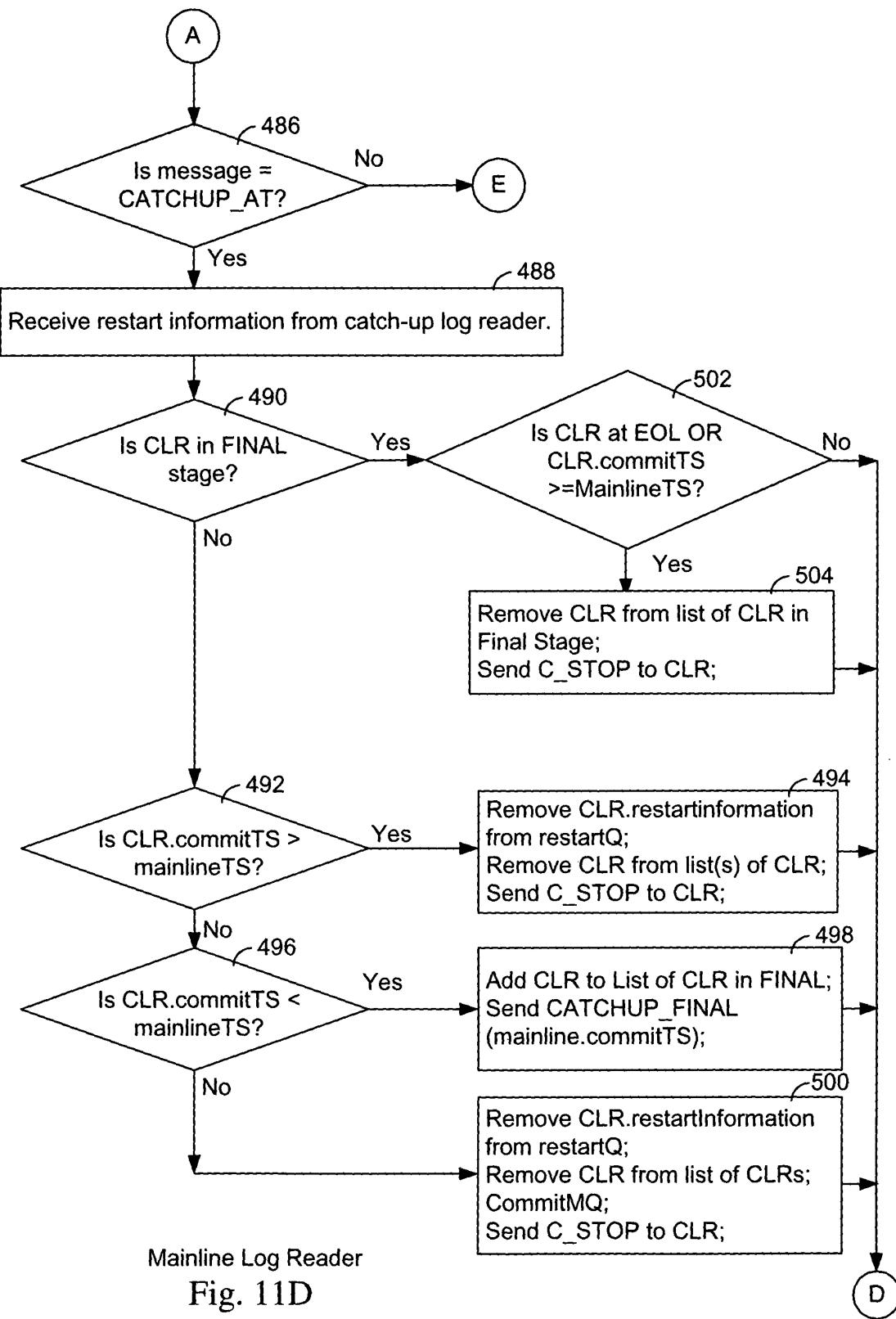
FIG. 10



Mainline Log Reader

Fig. 11A





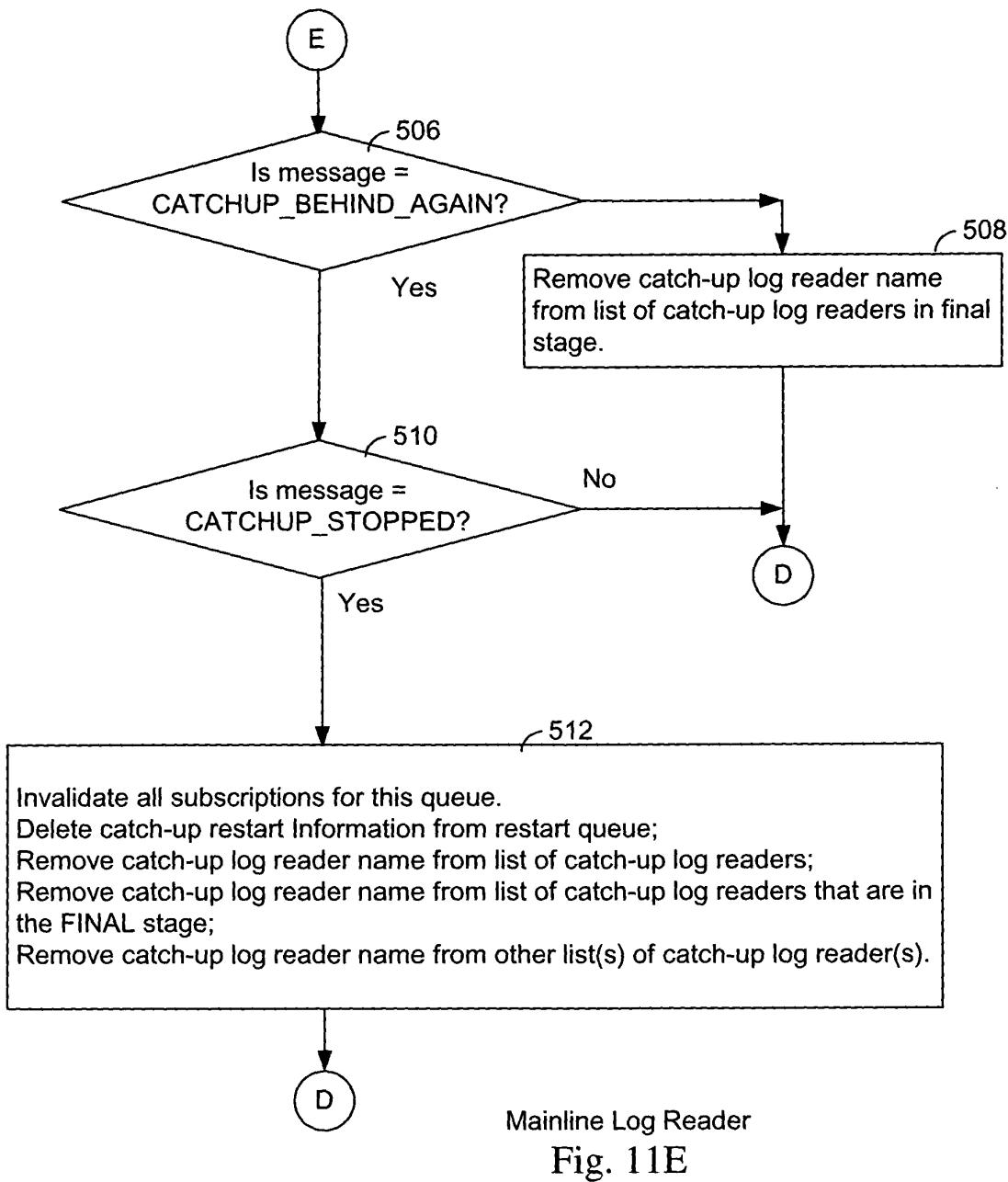
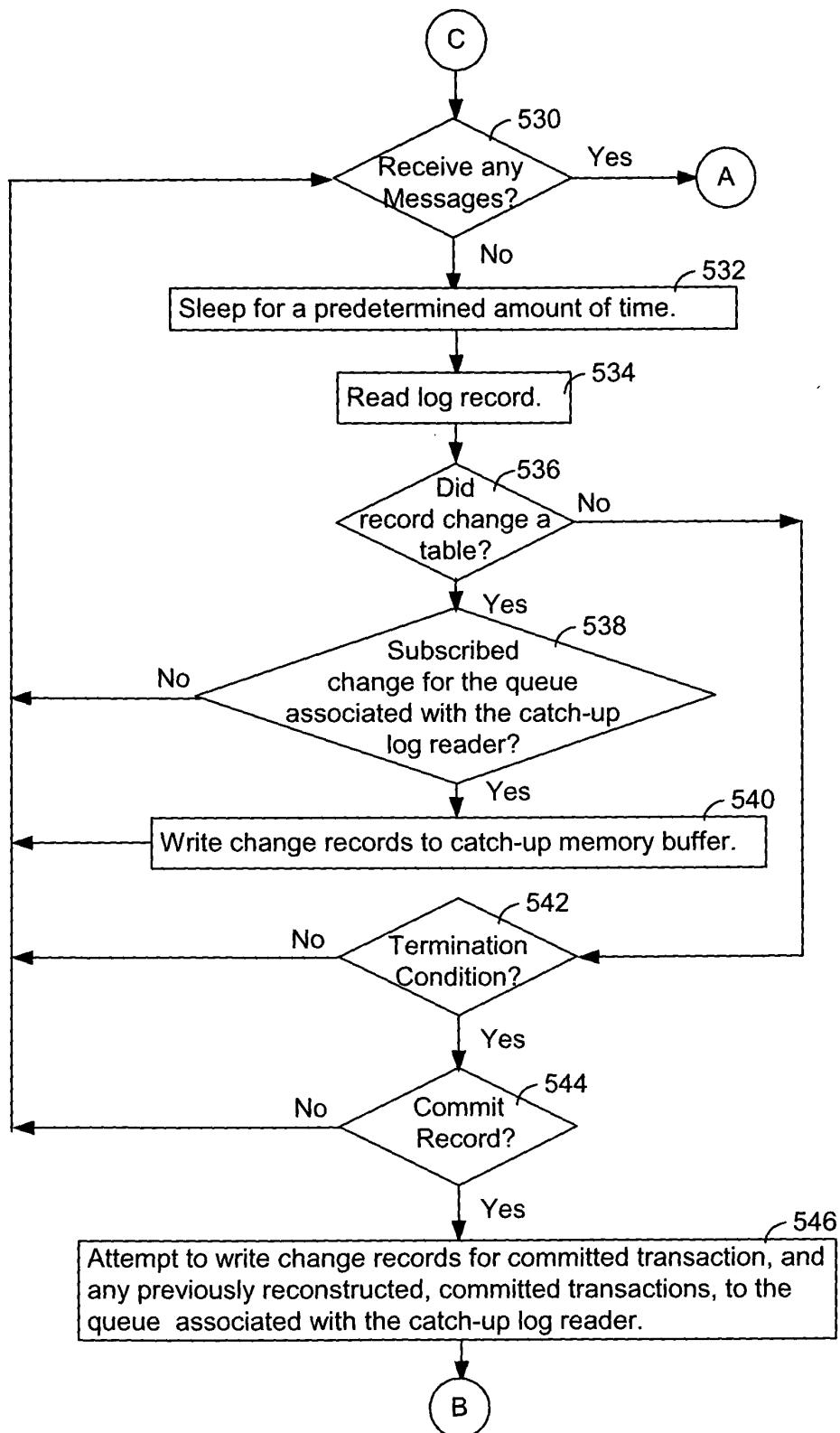
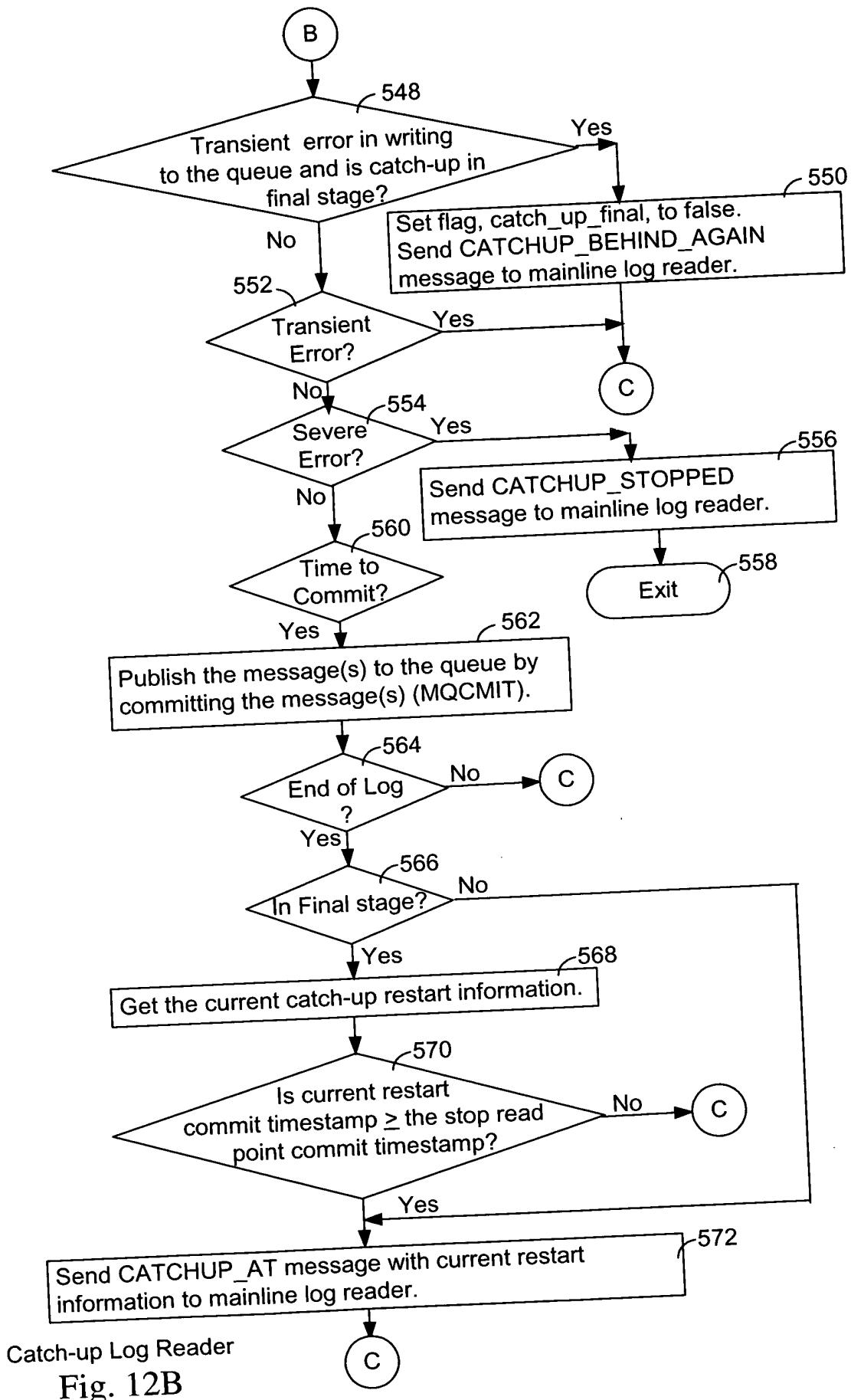


Fig. 11E



Catch-up Log Reader
Fig. 12A



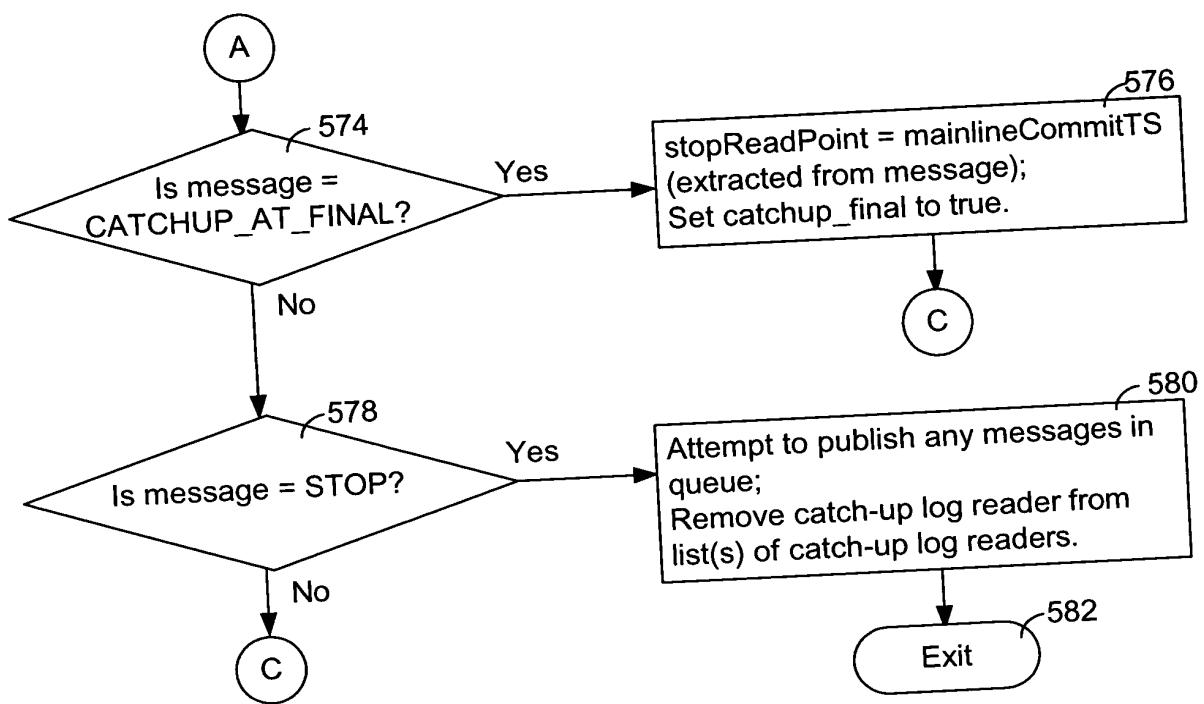


Fig. 12C